



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|------------------------------------|------------------------|
| 10/044,422 | 01/11/2002 | Teruhiko Kori | 7217/66290 | 1067 |
| 530 7590 06/21/2007 LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090 | | | EXAMINER CERVETTI, DAVID GARCIA | |
| | | | ART UNIT 2136 | PAPER NUMBER |
| | | | MAIL DATE 06/21/2007 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/044,422

Applicant(s)

KORI, TERUHIKO

Examiner

David G. Cervetti

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 May 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-7,10,11 and 18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5-7,10,11 and 18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's arguments filed May 29, 2007, have been fully considered.
2. Claims 1, 5-7, 10-11, and 18 are pending and have been examined, claims 2-4, 8-9, and 12-17 have been cancelled.

Response to Amendment

3. The objections to claims 1 and 7 are withdrawn.
4. Applicant's arguments with respect to the prior art have been considered but are moot in view of the new ground(s) of rejection.

Continued Examination Under 37 CFR 1.114

5. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. **Claims 1, 5-7, 10-11, and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Kahn et al. (US Patent 7,203,314, hereinafter Kahn).**

Regarding claims 1 and 7, Kahn teaches

- an electronic transmission system (**abstract**), comprising:
- a first electronic transmission apparatus (col. 10, lines 1-30); and
- a second electronic transmission apparatus (col. 10, lines 1-30);
- said first electronic transmission apparatus including:
- first communication means, connected to a signal transmission line, for receiving a first encrypted signal from a transmitting electronic device over the signal transmission line (**col. 8, lines 14-45**),
- first authentication process means for executing a first authentication process with the transmitting electronic device via said first communication means and the signal transmission line, and for receiving first key information from the transmitting electronic device via said first communication means and the signal transmission line (col. 7, lines 40-67),

- first decryption means for decrypting the first encrypted signal using the first key information, the first key information being supplied by said first authentication process means when the first authentication process determines that said first electronic transmission apparatus is an authorized device (col. 8, lines 14-45),
- first processing means for processing the first decrypted signal, said first processing means including a first section operable to display or record the first decrypted signal (col. 8, lines 14-45),
- second communication means connected to the signal transmission line, said first authentication process means executing a second authentication process with said second electronic transmission apparatus via said second communication means and the signal transmission line (col. 10, lines 30-50),
- first encryption means for re-encrypting the first decrypted signal using second key information, the second key information being supplied by said first authentication process means (col. 10, lines 30-50), and
- first signal switching means for selecting, for output to said second communication means, one of the first encrypted signal and the first re-encrypted signal based on a first selection signal provided by said first authentication process means, the first encrypted signal being supplied by said first communication means, the first re-encrypted signal being supplied by said first encryption means (col. 10, lines 50-67, col. 11, lines 1-30),

- said first authentication process means supplying a selected one of the first key information and the second key information to said second communication means when the second authentication process determines that said second communication means is an authorized device, the first key information being selected when said first signal switching means selects the first encrypted signal and the second key information being selected when first said signal switching means selects the first re-encrypted signal (col. 10, lines 50-67, col. 11, lines 1-30),
- said second communication means transmitting the selected one of the first key information and the second key information and the selected one of the first encrypted signal and the first re-encrypted signal over the signal transmission line to said second electronic transmission apparatus when the second authentication process determines that said second electronic transmission apparatus is an authorized device (col. 7, lines 50-67);
- said second electronic transmission apparatus including:
- third communication means, connected to the signal transmission line, for receiving a second encrypted signal from said first electronic transmission apparatus over the signal transmission line, the second encrypted signal being the selected one of the first encrypted signal and the first re-encrypted signal (col. 10, lines 50-67, col. 11, lines 1-30),

- second authentication process means for executing the second authentication process with said first electronic transmission apparatus via said third communication means and the signal transmission line, and for receiving the selected one of the first key information and the second key information from said first electronic transmission apparatus via said third communication means and the signal transmission line (col. 10, lines 50-67, col. 11, lines 1-30),
- second decryption means for decrypting the second encrypted signal using the received key information, the received key information being supplied by said second authentication process means when the second authentication process determines that said second electronic transmission apparatus is an authorized device (col. 7, lines 50-67);
- second processing means for processing the second decrypted signal, said second processing means including a second section operable to display or record the second decrypted signal (col. 11, lines 1-40);
- fourth communication means connected to the signal transmission line, said second authentication process means executing a third authentication process with a receiving electronic device via said fourth communication means and the signal transmission line (col. 11, lines 1-40);
- second encryption means for re-encrypting the second decrypted signal using third key information, the third key information being supplied by said second authentication process means (col. 2, lines 45-65); and

- second signal switching means for selecting, for output to said fourth communication means, one of the second encrypted signal and the second re-encrypted signal based on a second selection signal provided by said second authentication process means, the second encrypted signal being supplied by said third communication means, the second re-encrypted signal being supplied by said second encryption means (col. 11, lines 1-40);
- said second authentication process means supplying a selected one of the received key information and the third key information to said fourth second communication means when the third authentication process determines that the receiving electronic device is an authorized device, the received key information being selected when said second signal switching means selects the second encrypted signal and the third key information being selected when said second signal switching means selects the second re-encrypted signal (col. 11, lines 1-40);
- said fourth communication means transmitting the selected one of the received key information and the third key information and the selected one of the second encrypted signal and the second re-encrypted signal over the signal transmission line to the receiving electronic device when the third authentication process determines that the receiving electronic device is an authorized device (col. 7, lines 50-67, col. 11, lines 1-40).

Regarding claim 5, Kahn teaches wherein the first selection signal is supplied by the transmitting electronic device via said first communication means and the signal transmission line (**col. 8, lines 10-45**).

Regarding claim 6, Kahn teaches operation input means for providing a user-inputted signal for controlling the switching operation of one or more of said first signal switching means and said second signal switching means (**col. 11, lines 1-30**).

Regarding claim 10, Kahn teaches wherein said step of selecting one of the first encrypted signal and the first re-encrypted signal is executed based on a signal received from the transmitting electronic device via the signal transmission line (**col. 10, lines 50-67, col. 11, lines 1-30**).

Regarding claim 11, Kahn teaches wherein said step of selecting one of the first encrypted signal and the first re-encrypted signal is executed based on a user-inputted signal (**col. 11, lines 1-30**).

Regarding claim 18, Kahn teaches wherein said step of selecting one of the second encrypted signal and the second re-encrypted signal is executed based on a user-inputted signal (**col. 11, lines 1-30**).

Art Unit: 2136

Conclusion

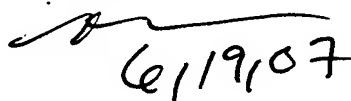
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David G. Cervetti whose telephone number is (571)272-5861. The examiner can normally be reached on Monday-Tuesday and Thursday-Friday.

9. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on (571)272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David García Cervetti/

NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100


6/19/07